

REMARKS

Claims 1-6, 10 and 13-21 are pending in this application. Claims 7-9 and 11-12 are currently cancelled. Claims 1-6 and 10 are amended herein. Claims 13-21 are added herein. Applicant respectfully requests reconsideration of the claims in view of the following remarks.

Applicant acknowledges the restriction requirement and, in response, has canceled claims 7-9. A divisional application may be filed at a later date.

Applicant wishes to thank the Examiner for pointing out the error in the foreign application number in the priority claim. A supplemental disclosure is provided herewith that includes the correct foreign application number.

The drawings have been objected to because Figures 1 and 2A-2B should be designated with a "Prior Art" legend. Replacement drawings have been provided herein. These drawings include the appropriate legend. The Examiner also stated that Figure 2A was objected to because the reference character G1 was not mentioned in the description. Reference character G1 has been added to paragraph 8 of the specification.

Applicant wishes to thank the Examiner for indicating the allowable subject matter of claim 12. In response, the limitations of claim 12, and also intervening claim 11, have been combined with claim 10. Based upon the Examiner's indication, it is respectfully submitted that this claim is allowable.

With respect to the originally filed claim 10, Applicant notes that the original preamble referred to a "DRAM memory chip architecture." The amended claim 10, on the other hand, is directed to a "semiconductor device." Dependent claims 13 and 14 have been added herein to further limit the scope of these claims to a "memory chip" and a "DRAM memory chip,"

respectively. Applicant respectfully submits that this amendment does not change the patentability of the claims.

Claims 1, 3, 5, and 10-11 have been rejected under 35 U.S.C. § 102(b) as being anticipated by Kimura and claims 2, 4, and 6 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Kimura in view of Sawada. Applicant respectfully traverses these rejections.

Claim 1, as amended herein, specifically recites that "the wells of the first conduction type share a mutually adjoining boundary with the wells of the second conduction type, the mutually adjoining boundary disposed within a border region, wherein a contamination zone due to implantation scattering during well implantation lies within the border region." In addition, "the first set of contacts and second set of contacts lie in the border region near the mutually adjoining boundary, and ... the active components lie further away from the mutually adjoining boundary than do the first and second set of contacts." It is respectfully submitted that the references of record do not teach or suggest the limitations of claim 1.

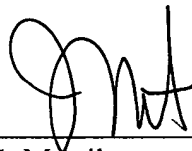
Claims 2-6 depend from claim 1 and add further limitations. It is respectfully submitted that these dependent claims are allowable by reason of depending from an allowable claim as well as for adding new limitations.

Claims 13-21 have been added herein. No new matter has been added. It is respectfully submitted that these newly added claims are allowable over the references of record. For example, claim 17 recites "a plurality of pairs of wells, each pair including an n-type well adjacent to a p-type well, wherein a border region is defined along an edge where each n-well and p-well are mutually adjacent, wherein a contamination zone due to implantation scattering during well implantation lies within the border region within each pair of wells; at least one contacts

within each well arranged to lie within the border region; and at least one active component within each well arranged to lie outside the border region."

Applicant has made a diligent effort to place the claims in condition for allowance. However, should there remain unresolved issues that require adverse action, it is respectfully requested that the Examiner telephone Ira S. Matsil, Applicant's attorney, at 972-732-1001 so that such issues may be resolved as expeditiously as possible. No fee is believed due in connection with this filing. However, should one be deemed due, the Commissioner is hereby authorized to charge Deposit Account No. 50-1065.

Respectfully submitted,



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Date

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